GAJA JAROSZ

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POSITIONS HELD

2022 - present	Professor, Department of Linguistics, University of Massachusetts, Amherst.
2022 - 2022	Visiting Scholar, Department of Linguistics, NYU.
2015 - 2022	Associate Professor (with tenure), Department of Linguistics, University of Massachusetts, Amherst.
Summer 2019	Research Associate, Department of Linguistics, University of California, Santa Cruz
2013 - 2015	Associate Professor (untenured), Department of Linguistics, Yale University.
2013 - 2014	Visiting Scholar, Department of Linguistics & Philosophy, MIT.
2007 - 2013	Assistant Professor, Department of Linguistics, Yale University.
2006 - 2007	Visiting Assistant Professor in Phonology, Department of Linguistics, University of Massachusetts, Amherst.

EDUCATION

2006	Ph.D. Johns Hopkins University, Baltimore, Maryland Department of Cognitive Science Thesis Title: *Rich Lexicons and Restrictive Grammars – Maximum Likelihood Learning in Optimality Theory* Committee: Paul Smolensky (chair), Bruce Tesar, Robert Frank, Jason Eisner, Fred Jelinek
2003	M.A. Johns Hopkins University, Baltimore, Maryland Department of Cognitive Science Thesis Title: *Modeling Structure and Category Learning Separately: A Model of Phrasal Categories*
2003	European Summer School in Logic, Language, Information Vienna, Austria
2001	B.A. Washington University, St. Louis, Missouri First Major: Social Thought and Analysis Second Major: Mathematics – Probability and Statistics Track

GAJA JAROSZ

In prep.	**Gaja Jarosz,** Maggie Baird*, Seoyoung Kim*, Andrew Lamont*, Max Nelson*, & Brandon Prickett*. Generalizing from Inconsistent Data: How much do exceptions count?
In prep.	Max Nelson*, Maggie Baird*, **Gaja Jarosz,** Seoyoung Kim*, Andrew Lamont*, Max Nelson*, & Brandon Prickett*. Type/Token Distributions and the Tolerance Principle.
In prep.	Maggie Baird*, Seoyoung Kim*, Claire Moore-Cantwell, **Gaja Jarosz**. An Empirical Investigation of the Phonological Neighborhoods of Nonwords
In prep.	**Gaja Jarosz**. Indexed Morphemes and Locality Conditions on Polish Yer Deletion.
In prep.	**Gaja Jarosz** & Amanda Rysling*. The Roles of Prior Bias and Phonological Structure in Phonotactic Learning.
2021	Aleksei Nazarov* & **Gaja Jarosz**. The Credit Problem in Parametric Stress: A Statistical Approach. *Glossa* 6(1). 1-26. https://doi.org/10.16995/glossa.5884
2020	Allison Ettinger, **Gaja Jarosz,** & Max Nelson* (eds). *Proceedings of the Third Annual Meeting of the Society for Computation in Linguistics (SCiL).*
2019	**Gaja Jarosz,** Max Nelson*, Brendan O'Connor, & Joe Pater (eds). *Proceedings of the Second Annual Meeting of the Society for Computation in Linguistics (SCiL).*
2019	Coral Hughto*, Andrew Lamont*, Brandon Prickett*, and **Gaja Jarosz**. Learning exceptionality and variation with lexically scaled MaxEnt. In *Proceedings of the Second Annual Meeting of the Society for Computation in Linguistics (SCiL)*. 91-101.
2019	**Gaja Jarosz**. Computational Modeling of Phonological Learning. In *Annual Review of Linguistics (5)*. 67-90.
2018	**Gaja Jarosz,** Brendan O'Connor, & Joe Pater (eds). *Proceedings of the First Annual Meeting of the Society for Computation in Linguistics (SCiL).*
2017	**Gaja Jarosz**. Defying the Stimulus: Acquisition of Complex Onsets in Polish. In *Phonology* 34(2). 269-298
2017	**Gaja Jarosz**, Shira Calamaro* & Jason Zentz*. Input Frequency and the Acquisition of Syllable Structure in Polish. In *Language Acquisition* 24(4). 261-399. https://doi.org/10.1080/10489223.2016.1179743.
2016	**Gaja Jarosz**. Investigating the Efficiency of Parsing Strategies for the Gradual Learning Algorithm. In *Dimensions of Stress*. Cambridge University Press. 201-230.
2016	**Gaja Jarosz**. Computational Models of Learning with Violable Constraints. Invited chapter for Jeff Lidz, William Snyder, & Joe Pater (eds.), *The Oxford Handbook of Developmental Linguistics*. Oxford University Press. 725-750.
2015	**Gaja Jarosz**. Expectation Driven Learning of Phonology. Manuscript.
2015	Shira Calamaro* & **Gaja Jarosz**. Learning General Phonological Rules from Distributional Information: A Computational Model. In *Cognitive Science* 39 (3), 647-666. doi: 10.1111/cogs.12167
2014	Natalie Schrimpf* & **Gaja Jarosz**. Comparing Models of Phonotactics for Word Segmentation. Association of Computational Linguistics: *SIGMORPHON 2014*. 19-28.

2013	**Gaja Jarosz**. Learning with Hidden Structure in Optimality Theory and Harmonic Grammar: Beyond Robust Interpretive Parsing. *Phonology* 30(1), 27-71. Cambridge University Press.
2013	**Gaja Jarosz** and J. Alex Johnson**. The Richness of Distributional Cues to Word Boundaries in Speech to Young Children. *Language Learning and Development* 9(2), 175-210.
2010	**Gaja Jarosz**. Implicational Markedness and Frequency in Constraint-Based Computational Models of Phonological Learning. In *Journal of Child Language* 37(3), Special Issue on Computational Models of Child Language Learning, 565-606.
2006	**Gaja Jarosz**. Richness of the Base and Probabilistic Unsupervised Learning in Optimality Theory. Association for Computational Linguistics: *Proceedings of the Eighth Meeting of the ACL Special Interest Group in Computational Phonology*.
2002	Matthew Snover, **Gaja Jarosz**, and Michael Brent. Unsupervised Learning of Morphology Using a Novel Directed Search Algorithm: Taking the First Step. Association for Computational Linguistics: *Proceedings of the Workshop on Morphological and Phonological Learning*.

CONFERENCE PROCEEDINGS (ABSTRACT REVIEWED)
(*graduate advisee,**undergraduate advisee)

2021	Brandon Prickett* & **Gaja Jarosz**. Modeling the Acquisition of Phonological Interactions: Biases and Generalization. *Supplemental Proceedings of the 2020 Annual Meetings on Phonology*, UCSC.
2020	Brandon Prickett*, Kaden Holladay, Shay Hucklebridge*, Max Nelson*, Rajesh Bhatt, **Gaja Jarosz**, Kyle Johnson, Aleksei Nazarov, and Joe Pater. Learning syntactic parameters without triggers by assigning credit and blame. *Proceedings of the 55th Annual Meeting of the Chicago Linguistic Society (CLS)*, Chicago, Illinois.
2017	**Gaja Jarosz** & Amanda Rysling*. Sonority Sequencing in Polish: the Combined Roles of Prior Bias and Experience. *Proceedings of the 2016 Annual Meetings on Phonology*, USC.
2017	Aleksei Nazarov* & **Gaja Jarosz**. Learning Parametric Stress without Domain-Specific Mechanisms. *Proceedings of the 2016 Annual Meetings on Phonology*, USC.
2016	**Gaja Jarosz**. Learning Opaque and Transparent Interactions in Harmonic Serialism. *Proceedings of the 2015 Annual Meetings on Phonology*, Vancouver, BC.
2015	Kasia Hitczenko** & **Gaja Jarosz**. Cognitive Limitations Impose Advantageous Constraints on Word Segmentation. *Proceedings of the 39th Annual Meeting of the Boston University Conference on Language Development (BUCLD)*, Boston, MA.
2014	**Gaja Jarosz**. Serial Markedness Reduction. *Proceedings of the 2013 Annual Meetings on Phonology 1(1)*, Amherst, MA.
2013	**Gaja Jarosz**. Naïve parameter learning for Optimality Theory - The hidden structure problem. *Proceedings of the 40th Annual Meeting of the North East Linguistic Society (NELS)*, vol. 2, 1-14.

2011	**Gaja Jarosz**. The Roles of Phonotactics and Frequency in the Learning of Alternations. *Proceedings of the 35th Annual Meeting of the Boston University Conference on Language Development (BUCLD)*, Boston, MA.
2009	**Gaja Jarosz**. Restrictiveness in Phonological Grammar and Lexicon Learning. *Proceedings of the 43rd Annual Meeting of the Chicago Linguistic Society (CLS)*, Chicago, Illinois.
2008	**Gaja Jarosz**. Partial Ranking and Alternating Vowels in Polish. In Rodney L. Edwards, Patrick J. Midtlyng, Colin L. Sprague, and Kjersti G. Stensrud, eds., *Proceedings of the Chicago Linguistic Society* 41, vol. 1. Chicago: CLS, 193-206.
2006	**Gaja Jarosz**. Polish Yers and the Finer Structure of Output-Output Correspondence. In Cover, Rebecca T. and Yuni Kim, eds., *Proceedings of the 31st Annual Meeting of the Berkeley Linguistics Society*. Berkeley, CA: Berkeley, 181-192.

OTHER WRITTEN WORK

2007	**Gaja Jarosz**. Stages of Acquisition without Ranking Biases: the Roles of Frequency and Markedness in Phonological Learning. In M. Becker (ed.), *UMass Occasional Papers in Linguistics 36*.
2006	**Gaja Jarosz**. Rich Lexicons and Restrictive Grammars – Maximum Likelihood Learning in Optimality Theory. PhD dissertation, Johns Hopkins University, Baltimore, Maryland. Rutgers Optimality Archive #884.

CORPORA & SOFTWARE

2019	Coral Hughto, Andrew Lamont, Brandon Prickett, and Gaja Jarosz. Software for learning exceptionality and variation with lexically scaled MaxEnt. http://github.com/chughto/Lexically-Scaled-MaxEnt
2018	Jarosz, Gaja, Carolyn Anderson, Brandon Prickett, Andrew Lamont, & Alexandra Nyman. 2018. Hidden Structure Suite: Version 3. http://github.com/gajajarosz/hidden-structure Software for learning of hidden phonological structure, including prosodic structure, underlying representations, and serial derivations. Public release of implementations of six learning models I have proposed in recent work (RRIP/OT, EIP/OT, RRIP/HG, EIP/HG, EDL Batch, EDL Online) and existing alternatives (RIP/OT, RIP/HG, RIP/EDCD, among others).
2013	Weist-Jarosz Corpus of Child Polish. Publicly available as part of the PhonBank Project of CHILDES (https://phonbank.talkbank.org/access/Slavic/Polish/WeistJarosz.html). Phonetic transcription of 35 audio recordings of spontaneous speech productions of 4 children acquiring Polish.

INVITED TALKS & MINI COURSES

Oct 2022	Gaja Jarosz. Generalizing from Inconsistent Data: How much do exceptions count? Invited talk, Annual Meetings on Phonology, UCLA.
Sep 2022	Gaja Jarosz. Learning Hidden Generalizations. Invited talk, The Center of Advanced Study in Theoretical Linguistics (CASTL), University of Tromsø, Norway.

Sep 2022	Gaja Jarosz. Sonority Sequencing in Polish: An Ongoing Nature vs Nurture Debate. Invited talk, The Center of Advanced Study in Theoretical Linguistics (CASTL), University of Tromsø, Norway.
Feb 2022	Gaja Jarosz. Learning Hidden Generalizations. Invited talk, Department of Linguistics Colloquium Series, NYU.
Dec 2021	Gaja Jarosz. Learning Hidden Generalizations. Invited talk, Department of Linguistics Colloquium Series, MIT.
Summer 2020 (canceled)	Gaja Jarosz. Week-long Graduate Minicourse on Learning Phonology. Advanced Core Training in Linguistics (ACTL). University of York, UK. Canceled due to pandemic.
August 2020 (postponed)	Gaja Jarosz. Foundations of Phonology. 2 week course for Yerevan Academy for Linguistics and Philosophy (YALP) in Armenia. Postponed due to pandemic.
Mar 2020	Gaja Jarosz. Phonological (Hidden) Structure Mini Course. 2 Day Mini Course, University of Southern California, Department of Linguistics.
Mar 2020	Gaja Jarosz. Generalizing Phonological (Hidden) Structure. Invited talk, University of Southern California, Department of Linguistics.
Feb 2020	Gaja Jarosz. Embracing Ambiguity: Quantitative Modeling in Phonology. Invited talk at the Old World Conference on Phonology. Warsaw, Poland.
Feb 2019	Gaja Jarosz. Interaction of Prior Bias and Experience in Phonological Learning. Invited talk at the Developmental Colloquium Series in the Psychological and Brain Sciences at UMass Amherst.
Jan 2019	Gaja Jarosz. Hidden Structure and Ambiguity in Phonological Learning. Invited talk at the Second Annual Meeting of the Society for Computation in Linguistics (SCiL), NYC.
May 2018	Gaja Jarosz. Expectation Drive Learning of Phonology: Learning Biases and UG. Invited talk, University of Amsterdam, Netherlands.
April 2017	Gaja Jarosz. Sonority Sequencing in Polish: Interaction of Prior Bias and Experience. Invited talk, Department of Linguistics, MIT.
Nov 2016	Gaja Jarosz. Sonority Sequencing in Polish: Interaction of Prior Bias and Experience. Invited talk, Department of Linguistics, UCLA.
Oct 2016	Gaja Jarosz. Refining UG: Connecting Phonological Theory and Learning. Invited talk, *North East Linguistic Society* 47 (NELS 47). Amherst, MA.
Sep 2016	Gaja Jarosz. Modeling Phonological Structure: Connecting Theory and Data. Invited talk, *Workshop on Advances in Linguistic Theory through Computation* at the 2016 *Annual Meeting of the Linguistics Association of Great Britain*. York, UK.
May 2016	Gaja Jarosz. Sonority Sequencing in Polish: Defying the Stimulus? Invited talk, *Formal Approaches to Slavic Linguistics*. Ithaca, NY.
Mar 2016	Gaja Jarosz. Sonority Sequencing in Polish: Defying the Stimulus? Invited talk, Department of Linguistics, University of Chicago, Illinois.
Nov 2015	Gaja Jarosz. Sonority Sequencing in Polish: Defying the Stimulus? Invited talk, SUNY Stony Brook Linguistics Department Colloquium Series, Stony Brook, NY.
Oct 2015	Gaja Jarosz. Modeling Acquisition of Phonological Structure: Nature vs. Nurture. Invited talk, Washington University Linguistics Program, St. Louis, MO.

Mar 2015	Gaja Jarosz. Sonority Sequencing in Polish: Defying the Stimulus? Invited talk, Department of Linguistics, University of Massachusetts, Amherst.
Mar 2014	Gaja Jarosz. Modeling the Acquisition of Phonological Structure. Invited talk, Harvard University *Language Universals Workshop*, Cambridge, MA.
Feb 2014	Gaja Jarosz. Learning Probabilistic Phonology: Integrating Theoretical, Developmental, and Computational Perspectives. Invited talk, Department of Linguistics, University of Colorado, Boulder.
Nov 2013	Gaja Jarosz. Searching for Phonological Universals: Computational Modeling of Sound Structure Acquisition. Invited talk, Tufts University, *Cognitive and Brain Sciences Colloquium*, Medford, MA.
Nov 2012	Gaja Jarosz. Learning Phonology with Hidden Structure. Invited talk, *University of Delaware Workshop on Stress and Accent*. Newark, DE.
May 2012	Gaja Jarosz. Learning Phonology: Integrating Theoretical, Computational & Developmental Perspectives. Invited talk, *Mayfest 2012: The Role of Computational Models in Linguistic Theory*. University of Maryland, College Park, MD.
May 2012	Gaja Jarosz. Learning Hidden Structure in OT and HG. Invited talk, University of Massachusetts Department of Linguistics Colloquium, Amherst, MA.
May 2010	Gaja Jarosz. Typological Universals and Grammar Induction. Invited commentary, *Cornell Workshop on Grammar Induction*, Cornell, Ithaca, NY.
May 2009	Gaja Jarosz. Learning of Phonology: Integrating Developmental and Computational Perspectives. Invited talk, New York University Phonetics/Phonology Lab, New York, NY.
April 2008	Gaja Jarosz. Online learning of phonology via Stochastic Partial Orders. Invited talk, Rutgers Optimality Research Group, New Brunswick, NJ.
April 2008	Gaja Jarosz. Markedness and Probability in Phonological Learning. Invited talk, SUNY at Stony Brook, NY.
February 2006	Gaja Jarosz. Maximum Likelihood Learning of Phonology. Invited talk: Yale University Department of Linguistics Colloquium, New Haven, Connecticut.

REFEREED CONFERENCE PRESENTATIONS
(*graduate advisee,**undergraduate advisee)

Sept 2020	Brandon Prickett* & **Gaja Jarosz**. Modeling the Acquisition of Phonological Interactions: Biases and Generalization. Poster at the *2020 Annual Meetings on Phonology*, UCSC.
May 2019	Brandon Prickett*, Kaden Holladay, Shay Hucklebridge*, Max Nelson*, Rajesh Bhatt, **Gaja Jarosz**, Kyle Johnson, Aleksei Nazarov*, and Joe Pater. Learning syntactic parameters without triggers by assigning credit and blame. Talk at the *55th Annual Meeting of the Chicago Linguistic Society (CLS)*, Chicago, Illinois.
Jan 2019	**Gaja Jarosz** & Aleksei Nazarov*. Evaluating Domain-General Learning of Parametric Stress Typology. Talk at *the Second Annual Meeting of the Society for Computation in Linguistics (SCiL)*.

Jan 2019	Coral Hughto*, Andrew Lamont*, Brandon Prickett*, and **Gaja Jarosz**. Learning exceptionality and variation with lexically scaled MaxEnt. Talk at *the Second Annual Meeting of the Society for Computation in Linguistics (SCiL)*.
May 2018	**Gaja Jarosz**. Indexed Morphemes and Locality Conditions on Polish Yer Deletion. Talk at the *26th Manchester Phonology Meeting*, Manchester, England.
June 2017	**Gaja Jarosz** & Amanda Rysling*. Sonority Sequencing in Polish: Experimental and Computational Implications for UG. *Approaches to Phonetics and Phonology*, Lublin, Poland.
Oct 2016	**Gaja Jarosz** & Amanda Rysling*. Sonority Sequencing in Polish: the Combined Roles of Prior Bias and Experience. *Proceedings of the 2016 Annual Meetings on Phonology*, USC.
Oct 2016	Aleksei Nazarov* & **Gaja Jarosz**. Learning Parametric Stress without Domain-Specific Mechanisms. *Proceedings of the 2016 Annual Meetings on Phonology*, USC.
Oct 2015	**Gaja Jarosz**. Learning Opaque and Transparent Interactions in Harmonic Serialism. Paper presentation at the *Annual Meetings on Phonology 2015*, Vancouver, BC.
May 2015	**Gaja Jarosz**. Phonotactic Probability and Sonority Sequencing in Polish Initial Clusters. Paper presented at the *23rd Manchester Phonology Meeting*, Manchester, England.
April 2015	**Gaja Jarosz**. Phonotactic Probability and Sonority Sequencing in Polish Initial Clusters. Paper presented at the *GLOW Computational Phonology Workshop*, Paris, France.
Nov 2014	Kasia Hitczenko** & **Gaja Jarosz**. Cognitive Limitations Impose Advantageous Constraints on Word Segmentation. Paper presented at the *39th Annual Meeting of the Boston University Conference on Language Development (BUCLD)*, Boston, MA.
Jul 2014	Kasia Hitczenko** & **Gaja Jarosz**. Cognitive Limitations Impose Advantageous Constraints on Word Segmentation. Poster presentation at COGSCI 2014.
Jun 2014	Natalie Schrimpf* & **Gaja Jarosz**. Comparing Models of Phonotactics for Word Segmentation. Paper presentation at *SIGMORPHON 2014*, Baltimore, MD.
Jan 2014	**Gaja Jarosz**. Stochastic, Reward‑Based Learning of Hidden Structure in Phonology. Paper presentation at *11th Meeting of the Old World Conference in Phonology*, Leiden, Holland.
Jan 2014	**Gaja Jarosz**. Stochastic,Reward‑Based Learning of Hidden Structure in Phonology. Paper presentation at *89th Annual Meeting of the Linguistic Society of America*, Minneapolis, MN.
Nov 2013	**Gaja Jarosz**. Serial Markedness Reduction. Paper presentation at *Phonology 2013*, Amherst, MA.
Nov 2011	**Gaja Jarosz**, Shira Calamaro*, & Jason Zentz*. Measures of Frequency and the Acquisition of Syllable Structure in Polish. Poster presented at *The 36th Annual Meeting of the Boston University Conference on Language Development (BUCLD)*, Boston, MA.
Nov 2010	**Gaja Jarosz**. The Roles of Phonotactics and Frequency in the Learning of Alternations. Paper presented at *The 35th Annual Meeting of the Boston University Conference on Language Development (BUCLD)*, Boston, MA.
Jan 2010	**Gaja Jarosz**. Pairwise ranking learning for optimality theory - The hidden structure problem. *84th Annual Meeting of the Linguistic Society of America*, Baltimore, MD.

Nov 2009	**Gaja Jarosz**. Naïve parameter learning for Optimality Theory - The hidden structure problem. *40th Annual Meeting of the North East Linguistic Society (NELS)*, MIT, Cambridge, MA.
Mar 2009	**Gaja Jarosz**. Effects of lexical frequency and phonotactics on learning of morphophonological alternations. Talk at *Learning meets Acquisition: the learnability of linguistic frameworks from formal and cognitive perspective*, Osnabrueck, Germany.
Oct 2008	J. Alex Johnson**, Ahmet Aktay**, Dan McClory*, and **Gaja Jarosz**. Exploring the Predictive Power of Distributional Cues to Word Boundaries in Three Languages. Poster presented at the *Boston University Conference on Child Development*.
May 2007	**Gaja Jarosz**. Restrictiveness in Phonological Grammar and Lexicon Learning. *43rd Annual Meeting of the Chicago Linguistic Society*, Chicago, Illinois.
Jun 2006	**Gaja Jarosz**. Richness of the Base and Probabilistic Unsupervised Learning in Optimality Theory. Association for Computational Linguistics: *Proceedings of the Eighth Meeting of the ACL Special Interest Group in Computational Phonology*.
Jan 2006	**Gaja Jarosz**. Probabilistic Unsupervised Learning of Optimality Theoretic Grammars. *3rd Annual Meeting of the Old World Conference in Phonology*, Budapest, Hungary.
Jan 2006	**Gaja Jarosz**. A Probabilistic Unsupervised Algorithm for Learning Optimality Theoretic Grammars. *80th Annual Meeting of the Linguistic Society of America*, Albuquerque, New Mexico.
Mar 2005	**Gaja Jarosz**. Partial Ranking and Alternating Vowels in Polish. *41st Annual Meeting of the Chicago Linguistic Society*, Chicago, Illinois.
Feb 2005	**Gaja Jarosz**. Polish Yers and the Finer Structure of Output-Output Correspondence. *31st Annual Meeting of the Berkeley Linguistics Society,* Berkeley, California
Jan 2004	**Gaja Jarosz**. Separating Structure and Category Learning: A Model of Phrasal Categories. *78th Annual Meeting of the Linguistic Society of America*, Boston, Massachusetts.
Oct 2003	**Gaja Jarosz**. Modeling Variation in the Case Acquisition of Polish: Partial Ranking vs. Stochastic OT. *7th Workshop on Optimality Theory Syntax,* Nijmegen, Netherlands.
Apr 2003	**Gaja Jarosz**. Separating Structure and Category Learning: A Model of Phrasal Categories. *Bootstrapping in Language Acquisition: Psychological, Linguistic, and Computational Aspects*, Bloomington, Indiana.

WORKSHOP PRESENTATIONS
(*graduate advisee,**undergraduate advisee)

October 2015	**Gaja Jarosz**. Learning Opaque and Transparent Interactions in Harmonic Serialism. *9th Annual Northeast Computational Phonology Meeting*, University of Delaware, Newark, DE.
October 2012	**Gaja Jarosz**, Shira Calamaro*, & Jason Zentz*. Frequency and Learning Biases in Acquisition of Syllable Structure. *6th Annual Northeast Computational Phonology Meeting*, UMD, College Park, MD.
October 2010	**Gaja Jarosz**. Beyond Robust Interpretative Parsing for the Gradual Learning Algorithm. *4th Annual Northeast Computational Phonology Meeting*, UMass, Amherst, MA.

October 2009	**Gaja Jarosz**. Learning Phonology with Stochastic Partial Orders. *3rd Annual Northeast Computational Phonology Meeting*, MIT, Cambridge, MA.
November 2008	**Gaja Jarosz** and J. Alex Johnson**. Comparing Phonotactic Cues to Word Boundaries in Three Languages. *2nd Annual Northeast Computational Phonology Meeting*, Yale, New Haven, Connecticut.
November 2007	**Gaja Jarosz**. Deriving Phonological Acquisition Stages: the Roles of Markedness and Frequency. *1st Annual Northeast Computational Phonology Meeting*, Amherst, MA.

TEACHING
AT UNIVERSITY OF MASSACHUSETTS (2015-PRESENT)

Fall 2015, 2016, 2017, 2018, 2019, 2021	Linguistics 603: Generative Phonology
Spring 2016 (co-taught), Spring 2021	Linguistics 606: Phonological Theory
Fall 2017, 2019, 2021	Linguistics 692C: Cognitive Modeling
Fall 2020 (co-taught)	Linguistics 730: Proseminar in Phonological Theory
Spring 2016, 2017 (co-taught), 2020	Linguistics 791B: Sound Workshop
Spring 2017	Linguistics 797C: Computational Phonology Seminar
Spring 2018	Linguistics 751: Lexically-Conditioned Phonology & Exceptionality
Spring 2020	Linguistics 751: Lexical and Phonological Processing
Spring 2016, 2017, 2018, 2019	Linguistics 402: Speech Sounds and Structure
Spring 2019, 2020, 2021	Linguistics 492: Computational Linguistics
In development	Linguistics TBA: (online) Python for Linguists

AT YALE UNIVERSITY (2007-2015)

Spring 2013	Linguistics 220/720: Origins of Sound Structure
Spring 2008, 2011	Linguistics 251b/651b: Learnability and Development
Fall 2007, 2008, 2010, 2011, 2012, Spring 2015	Linguistics 141a/541a/Psych 327a: Language and Computation
Fall 2011, 2012	Linguistics 132/532: Introduction to Phonological Analysis
Spring 2008, 2009, 2011, 2012, 2015	Linguistics 135b/535b: Phonological Theory
Spring 2009, 2013 & Fall 2010	Linguistics 224b/624b: Formal Foundations of Linguistic Theories
Fall 2008	Linguistics 240a/640a: Topics in Phonology: Variation

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Spring 2012 Linguistics 242/642: Topics in Phonology: Probability

AT UNIVERSITY OF MASSACHUSETTS (2006-2007)

Spring 2007	Linguistics 606: Phonological Theory
Fall 2006	Linguistics 730: Proseminar in Phonological Theory
Fall 2006	Linguistics 402: Speech Sounds and Structure

ADVISING
PHD DISSERTATIONS

2022-2023 Guy Tabachnick
Morphological Dependencies
External dissertation committee member, NYU Linguistics

2020-2022 Maggie Baird
Experimental and Computational Investigations of Abstract Lexical Representations
Co-Chair of dissertation committee

2020-2022 Seoyoung Kim
Restrictive Tier Induction
Member of dissertation committee

2021-2022 Max Nelson
Phonotactic Learning with Distributional Representations
Member of dissertation committee

2020-2022 Andrew Lamont
Directional Harmonic Serialism
Member of dissertation committee

2018-2021 Brandon Prickett
Neural Network Modeling of Phonological Learning Biases
Co-chair (with Joe Pater) of dissertation

2018-2019 Coral Hughto
Modeling soft typological biases with agent-based learning
Co-chair (with Joe Pater) of dissertation

2018-2019 Brian Collins, University of Queensland
Investigating phonetic properties of Polish alternating (yer) vowels
External dissertation committee member (Erich Round, chair)

2018 Jeroen Breteler, University of Amsterdam
A foot-based typology of tonal reassociation: Perspectives from synchrony and learnability
External dissertation committee member (Paul Boersma & René Kager, co-chairs)

2015-2016 Aleksei Nazarov
Extending Hidden Structure Learning: Features, Opacity, and Exceptions
Co-chair of dissertation

2015-2017 Amanda Rysling
Member of dissertation committee

2011-2017 Shira Calamaro
Stratal Harmonic Serialism: Theoretical and Computational Implications
Chair (former) of dissertation (external committee member as of 7/1/2015)

2014 Tsung-Ying Chen (Phd candidate, University of Alberta, Canada)
Probabilistic Selection of Input in Morphophonological Acquisition
External dissertation committee member

2011 Crystal Akers (Phd candidate, Rutgers University, Department of Linguistics)
Simultaneous Learning of Hidden Linguistic Structures
External dissertation committee member

2008 - 2011 Scott McClure
Automatic Induction of Phonology and Inflectional Morphology
Co-chair of dissertation

SUPERVISION OF GENERALS PAPERS, PORTFOLIO PAPERS & SENIOR ESSAYS

2022-2023 Cerys Hughes
Committee member for 2nd generals paper

2021-2022 Maggie Baird
Prospectus committee member

2020-2021 Seoyoung Kim
Prospectus committee member

2020-2021 Max Nelson
Prospectus committee member

2020-2021 Max Nelson
Co-chair of Masters in Computer Science Thesis

2020-2021 Bethany Dickerson
Committee member for 2nd generals paper

2020-2021 Josh Lee
Committee member for 1st generals paper

2020-2021 Bhavya Pant
Committee member for honors thesis

2020 Christian Muxica
Committee member for honors thesis

2019 Emma Merritt
Committee member for honors thesis

2019-2020 Maggie Baird
Committee member for 1st generals paper

2019-2020 Seoyoung Kim
Committee member for 2nd generals paper

2019-2020	Sherry Hucklebridge Committee member for 2nd generals paper
2019	Linnea Ross Committee member for honors thesis
2018-2019	Katie Tetzloff – Spanish Stress: Differentiating Exceptional from Ungrammatical Committee member for 2nd generals paper
2018-2019	Max Nelson – Learning allomorphy Committee member for 1st generals paper
2016-2019	Jaieun Kim Committee chair for 1st generals paper
2017-2018	Andrew Lamont – Subregular Serial Phonology Committee member for 1st generals paper
2017-2018	Brandon Prickett – Connectionist learning biases of infixation Committee member for 2nd generals paper
2016-2017	Brandon Prickett – Complexity in Phonological Alternation Learning Committee member for 1st generals paper
2016-2018	Thuy Bui Committee chair for 1st & 2nd generals paper
2015-2017	Rodica Ivan Committee chair for 1st and 2nd generals paper
2015-2016	Ivy Hauser – Input Contextual Constraints in Harmonic Serialism Committee member for 2nd generals paper
2016	Amanda Rysling – Polish Yers Revisited Committee member for 2nd generals paper
2012-2015	Jennifer Runds – Computational Models of Sound Change Supervisor of Annotated Bibliography and Field Exam
2013-2014	Katarzyna Hitczenko – Word Segmentation with Distributional and Lexical Cues Supervisor of Senior Essay
2013-2014	Natalie Schrimpf – Enriched Phonotactic Models for Word Segmentation Supervisor of Qualifying Paper
2012-2013	Sophia Gilman – *Automatic Reconstruction and Phylogenetic Inference* Supervisor of Senior Essay
2012-2013	Hannah LaPalombara – *An Optimality Theory Approach to Phonological Variation in Kimberley Kriol* Co-supervisor of Senior Essay
2012	Sabina Matyiku – *Connectionist Modeling of Long-distance Wh-Movement* Second Reader of Qualifying Paper
2012	Jason Zentz – *Labial attraction and labial blocking of progressive front vowel harmony in Warlpiri: A Serial Harmony approach* Supervisor of Qualifying Paper

2012	Emily Gasser – *Wamesa Verbal Infixation: An Amphichronic Approach* Co-supervisor of Qualifying Paper
2011-2012	Gregg Castellucci – portfolio paper in phonology Jennifer Runds – portfolio paper in phonology Sara Sanchez – portfolio paper in phonology
2011-2012	Alysia Harris – portfolio paper in phonology Yao-Ying Lai – portfolio paper in phonology
2011	Shira Calamaro – *Alternations in Phonological Acquisition* Supervisor of Qualifying Paper
2008-2009	J. Alex Johnson – *Phonotactic Cues to Word and Morpheme Boundaries* Supervisor of Senior Essay
2008	E-Ching Ng – portfolio paper in phonology Michael Freedman – portfolio paper in phonology Leandro Bolanos – portfolio paper in phonology
Spring 2008	Nancy Liang - *Morpho-Syntactic Acquisition in Adult Second Language Learner: The Distance-Difficult Relation Model* Second Reader of Senior Essay
Fall 2007	Scott McClure - *Morpho-phonological parsing* Supervisor of Qualifying Paper

OTHER ADVISING

Fall 2022	Cerys Hughes – learning exceptionality RA supervisor
Year 2020-21	Seoyoung Kim – learning exceptionality RA supervisor
Spring 2020	Maggie Baird – learning exceptionality RA supervisor
Fall 2018	Max Nelson – hidden structure learning RA supervisor
Summer 2018	Alexandra Nyman – software development for Polish Corpus Tools RA supervisor
2017-2018	Garrett Sager – Opacity Database Undergraduate RA co-supervisor
Summer 2017	Mina Puig – Opacity Database Undergraduate RA co-supervisor
Spring 2017	Andrew Lamont – computational modeling of opacity and UR learning. RA supervisor
Fall 2016	Carolyn Anderson – GUI interface for hidden structure learning software. RA supervisor

Spring 2016	Aleksei Nazarov – computational modeling of parametric stress learning. RA supervisor
Year 2015-16	Amanda Rysling – consonant cluster phonotactics and their acquisition in Polish. RA supervisor
Fall 2014 - 2016	Kasia Hitczenko (joint project) – *Modeling Cognitive Limitations in Word Segmentation*.
Fall 2010 - 2015	Shira Calamaro & Jason Zentz (joint project) – *Input Frequency & Learning Bias in the Acquisition of Syllable Structure in Polish*
2012 - 2013	Eli Feldman, Achutha Raman, Isaac Hudis - Freshman Faculty Advisor
2011 - 2012	Angela Cain & Dana Schneider - Freshman Faculty Advisor
2010 - 2011	Kasia Hitczenko and Gosia Rejniak Training and Supervision in Phonetic transcription of child speech in Polish
2010 - 2011	Sophia Grais & Nicholas Sas - Freshman Faculty Advisor
Fall 2010	Shira Calamaro, Emily Gasser, Sabina Matyiku, & Jason Zentz (joint project) – *The Predictiveness of Frequency and Markedness in Phonological Acquisition*
Spring 2008	J. Alex Johnson, Ahmet Aktay, Dan McClory (joint project) - *Exploring the Predictive Power of Distributional Cues to Word Boundaries in Three Languages*
Spring 2008	Kate Dobiecka – *The Acquisition of Polish Consonant Clusters* Supervisor
2007 –2009	Maria Castellanos and David Mackenzie Training and Supervision in Phonetic transcription of child speech in Polish

ACADEMIC SERVICE
UNIVERSITY & DEPARTMENT

2022-2023	Advance Faculty Fellow
2022-2023	College Personnel Committee
2015-present	Department Personnel Committee, Department of Linguistics
2018-2021	Graduate Program Director, Department of Linguistics
2020-2021	Co-Founder/Organizer of GEL – Committee on Gender Equity in Linguistics
2020	Founder/Organizer of InCLing – Mentoring Community for Computational Linguistics Industry Track
2019	Sponsor/Host of Phonology Guru, Matt Goldrick
2017-2019	Co-Founder and Organizer of Computational Linguistics Community
2018-2019	Psycholinguistics Search Committee Member, Department of Linguistics / Cognitive Science
2016-2018	Commonwealth Honors College Program Director for Linguistics
2017-2018	TO Supervisor

Spring 2016	UMass Linguistics Graduate Admissions Committee
Spring 2015	Co-chair of Graduate Admissions Open House
Spring 2015	Graduate Admissions Committee Member, Department of Linguistics
Spring 2015	Faculty mentor for NACLO competition training
Fall 2014	Acting Director of Graduate Studies, Department of Linguistics
Fall 2014	Faculty Reappointment Evaluation Committee, Department of Linguistics
Fall 2014	Organizer, Departmental Climate Meeting for Women of Linguistics
2014-2015	Co-organizer, Professional Development Series for Graduate Students, Department of Linguistics
2014-2015	Career Placement Officer for Graduate Students, Department of Linguistics
2007-present	Founder and co-organizer of CLAY (Computational Linguistics at Yale) research group
2013	Member, Search Committee for Lecturer Position in Linguistics
2013	Member, Review Committee for Yale College Dean's Research Fellowship in the Humanities and Social Sciences
2012-2013	Chair, Linguistics Department Colloquium Series Committee
2011-2012	Member & Diversity Representative, Phonology Search Committee
2011-2012	Chair, Linguistics Department Website Committee
2011	Co-chair of Graduate Admissions Open House
2009	Co-founder and co-organizer of Yale Phonology Group
2004-2005	Co-founder of the Johns Hopkins Linguistics Research Group
2004	Department of Cognitive Science Representative, Johns Hopkins Graduate Representative Organization
2004	Vice President, Trojka – Johns Hopkins International Film Group
2002	JHU Center for Language and Speech Processing Website Construction Committee

CONFERENCE & WORKSHOP ORGANIZATION

2019-2020	Co-organizer – 3rd annual meeting of *Society for Computation in Linguistics* (*SCiL*), to be held at LSA 2020.
2018-2019	Co-organizer – 2nd annual meeting of *Society for Computation in Linguistics* (*SCiL*), to be held at LSA 2019.
2016-2018	Co-founder and Co-organizer - *Society for Computation in Linguistics* (*SCiL*) and the associated first annual meeting, to be held at LSA 2018.
Spring 2017	Co-organizer - PhoNE: Phonology in the Northeast, held at UMass, Amherst, April 2017.
Fall 2016	Co-organizer - NECPHON: Northeast Computational Phonology Workshop, held at UMass, Amherst, Fall 2016.

Spring 2015	Co-organizer - PhoNE: Phonology in the Northeast, held at Yale, Spring 2015.
Fall 2011	Organizer - NECPHON: Northeast Computational Phonology Workshop, held at Yale, Fall 2011.
Fall 2008	Organizer - NECPHON: Northeast Computational Phonology Workshop, held at Yale, November 15, 2008.
Spring 2008	Organizing Committee Member - FASL: Formal Approaches to Slavic Linguistics, held at Yale.
Fall 2007	Co-Founder & Organizing Committee Member - NECPHON: Northeast Computational Phonology Workshop, held at Amherst, MA.
Spring 2006	Organizing Committee Member - HUMDRUM: Annual Graduate Student Conference on Optimality Theory

OTHER NATIONAL AND INTERNATIONAL SERVICE

Boards & Committee	*LSA Task Force on Procedures for Evaluating Professional Conduct (2020-2021)*
	SIGMORPHON Executive Committee (member at large) - elected position (2019-2021)
	Annual Reviews in Linguistics (2019-2021) – Guest Member of the Editorial Committee for Volume 7
	Phonology (2016-2025) – Editorial Board Member
	Society for Computational in Linguistics (SCiL) (2017-2020) – Program Committee
	Program Committee: Special Interest Group in Computational Morphology and Phonology (ACL: SIGMORPHON) (2012, 2016, 2018, 2019)
	Program Committee: Cognitive Modeling and Computational Linguistics Workshop (ACL: CMCL) (2011-2012, 2019)
Journal & Book Chapter Reviewing	*Phonology* (2010 - present)
	Linguistic Inquiry (2008, 2016-2018)
	Oxford Handbook of the History of Phonology (2018)
	Glossa (2016-2017)
	Yearbook of the Poznań Linguistic Meeting (2016)
	Lingua (2015)
	Dimensions of Stress, CUP (2014)
	Language and Linguistics Compass (2010)
	Journal of Child Language (JCL) (2009)
	Natural Language and Linguistic Theory (NLLT) (2008)
	Language Resources and Evaluation (2008)

GAJA JAROSZ

Conference Reviewing	Annual Meetings on Phonology (AMP) (2013, 2015-2019)
	North East Linguistics Society (NELS) (2009, 2016)
	Generative Linguistics in the Old World (GLOW) (2015)
	Florida Linguistics Yearly Meeting (2014)
	Old World Conference in Phonology 11 (2013)
	North American Chapter of the Association for Computational Linguistics - Human Language Technologies (NAACL-HLT) (2009)
	Formal Approaches to Slavic Linguistics (FASL) (2008)
Other	National Science Centre (Narodowe Centrum Nauki – NCN, Poland) (2018)
	National Science Foundation (NSF) (2010-2014)

GRANTS, HONORS AND AWARDS

2022-2025	Co-PI. (NSF) BCS-2140826 Representing and learning stress: Grammatical constraints and neural networks ($386,226)
Under revision	PI. NSF Grant 1918166: Collaborative Research: Lexical Idiosyncrasy in Phonological Learning - Representations and Generalizations ($438,526)
2018-2020	PI. NSF Conference Grant 1832737: Learning Hidden Linguistic Structure ($17,922)
2016-2021	Co-PI. NSF Grant 1424077: Computing Constraint-Based Derivations: Phonological Opacity and Hidden Structure Learning ($317,613)
2001-2004	Johns Hopkins University Owens Fellowship
Summer 2000	Joint Program in Survey Methodology Junior Fellow
1997-2001	Washington University Scholarship

LANGUAGES AND NATIONALITY

Languages:	English (native), Polish (native/fluent), French (rudimentary)
Citizenship:	United States and Poland (dual citizenship)